**ZAVIYAAH 303**

**TASK SESSION #01**

**STUDENTS MARKSHEET PROGRAM:**

**(TASK#01)**

**CODE**

package studentsmarksheet;

public class Module1 {

String name,fname,Class,year,school;int rollno;

public void studentsdetail(String name,String fname,String Class,String year,int rollno,String school){

this.name=name;this.fname=fname;this .Class=Class;this.year=year;this.rollno=rollno;this.school=school;

}

double Eng1,Eng2,Sindhi,Isl,Urdu,chem,phy,pst,math,comp;

public void subjects(double e1,double e2,double u,double m,double ch, double c,double phy,double pst,double si,double isl){

Eng1=e1;Eng2=e2;Sindhi=si;Isl=isl;Urdu=u;chem=ch;this.phy=phy;this.pst=pst;math=m;comp=c;

}

double per,totalgainmarks,totalmarks=1000;

public void calculation(){

totalgainmarks=(Eng1+Eng2+Sindhi+Isl+Urdu+pst+chem+phy+math+comp);

per=(totalgainmarks\*100)/totalmarks;

}

public void marksheet(){

System.out.println("\t\t\t\t\*\*\*\*\*\*\*\*Board of Secondry Education Karachi\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("\n Roll Number: "+rollno);

System.out.println("\n Exam year: "+year);

System.out.println("\n\n");

System.out.println("Candidate's Name: "+name);

System.out.println("Father's Name: "+fname);

System.out.println("School Name: "+school);

System.out.println("----------------------------------------------------------------");

System.out.println("Subject \t\t\t\t\t Marks");

System.out.println();

System.out.println("English-I \t\t\t\t\t "+Eng1);

System.out.println("English-II \t\t\t\t\t "+Eng2);

System.out.println("----------------------------------");

System.out.println("Chemistry \t\t\t\t\t "+chem);

System.out.println("Physics \t\t\t\t\t "+phy);

System.out.println("Computer \t\t\t\t\t "+comp);

System.out.println("----------------------------------");

System.out.println("Sindhi \t\t\t\t\t "+Sindhi);

System.out.println("Pakistan St. \t\t\t\t\t "+pst);

System.out.println("----------------------------------");

System.out.println("Urdu \t\t\t\t\t "+Urdu);

System.out.println("Islamiat \t\t\t\t\t "+Isl);

System.out.println("----------------------------------");

System.out.println("Mathematics \t\t\t\t\t "+math);

System.out.println("\n");

System.out.println("----------------------------------------------------------------");

System.out.println("Total Marks "+totalgainmarks+" Out of 1000");

System.out.println("Percentage: "+per);

}

}

**(MAIN CLASS) STUDENTSMARKSHEET**

package studentsmarksheet;

import java.util.Scanner;

public class StudentsMarksheet {

public static void main(String[] args) {

// TODO code application logic here

Scanner obj=new Scanner(System.in);

Module1 obj1=new Module1();

System.out.println("Insert the Candidates Full Name: ");

obj1.name=obj.nextLine();

System.out.println("Intert the Candidates Father's Name: ");

obj1.fname=obj.nextLine();

System.out.println("Insert the School name: ");

obj1.school=obj.nextLine();

System.out.println("Enter the Class: ");

obj1.Class=obj.nextLine();

System.out.println("Enter the Year of Examination");

obj1.year=obj.nextLine();

System.out.println("Enter the Roll Number");

obj1.rollno=obj.nextInt();

System.out.println("Be Careful! to insert your marks Out of 100");

System.out.println("English-I");

obj1.Eng1=obj.nextDouble();

System.out.println("English-II");

obj1.Eng2=obj.nextDouble();

System.out.println("Physics");

obj1.phy=obj.nextDouble();

System.out.println("Chemistry");

obj1.chem=obj.nextDouble();

System.out.println("Computer/Biology");

obj1.comp=obj.nextDouble();

System.out.println("Urdu");

obj1.Urdu=obj.nextDouble();

System.out.println("Islamiat");

obj1.Isl=obj.nextDouble();

System.out.println("Pakistan Studies");

obj1.pst=obj.nextDouble();

System.out.println("Sindhi");

obj1.Sindhi=obj.nextDouble();

System.out.println("Mathematics");

obj1.math=obj.nextDouble();

obj1.studentsdetail(obj1.name, obj1.fname, obj1.Class, obj1.year, obj1.rollno, obj1.school);

obj1.subjects(obj1.Eng1, obj1.Eng2, obj1.Urdu, obj1.math, obj1.chem, obj1.comp, obj1.phy, obj1.pst, obj1.Sindhi, obj1.Isl);

obj1.calculation();

obj1.marksheet();

if(obj1.per > 100.00 ){System.out.println("You didn't Insert you marks correctly");}

else if(obj1.per >= 80.00 && obj1.per <=100.00){System.out.println("Grade : A+");

}else if(obj1.per >= 70.00 && obj1.per <80.00){System.out.println("Grade : A");}

else if(obj1.per >= 60.00 && obj1.per <70.00){System.out.println("Grade : B");}

else if(obj1.per >= 50.00 && obj1.per <60.00){System.out.println("Grade : C");}

else if(obj1.per >= 40.00 && obj1.per <50.00){System.out.println("Grade : D");}

else{System.out.println("Grade : Fail");}

}

}

**TASK #02 ARITHEMATIC OPERATIONS**

**CODE**

package arithematicoperations;

import java.util.Scanner;

public class Arithematicoperations {

public static void main(String[] args) {

Scanner obj=new Scanner(System.in);

int choice=0;

double n1,n2,ans;

while(choice !=7){

System.out.println("--------------------------------------------------------------------------------------------------");

System.out.println("Enter \n1- Addition \n2-Substraction \n3-Multiplication \n4- Division \n5-Square \n6-cube \n7-Exit");

choice=obj.nextInt();

System.out.println("\n");

switch(choice){

case 1: System.out.println("Addition of two number");

System.out.println("Enter the 1st numbet");

n1=obj.nextDouble();

System.out.println("Enter the 2nd numbet");

n2=obj.nextDouble();

ans=n1+n2;

System.out.println("Addition: "+ans);

System.out.println();

break;

case 2: System.out.println("Substraction of two number");

System.out.println("Enter the 1st numbet");

n1=obj.nextDouble();

System.out.println("Enter the 2nd numbet");

n2=obj.nextDouble();

ans=n1-n2;

System.out.println("Substraction: "+ans);

System.out.println();break;

case 3: System.out.println("Multiplication of two number");

System.out.println("Enter the 1st numbet");

n1=obj.nextDouble();

System.out.println("Enter the 2nd numbet");

n2=obj.nextDouble();

ans=n1\*n2;

System.out.println("Multiplication: "+ans);

System.out.println();

break;

case 4: System.out.println("Division of two number");

System.out.println("Enter the 1st numbet");

n1=obj.nextDouble();

System.out.println("Enter the 2nd numbet");

n2=obj.nextDouble();

if (n2==0){System.out.println("Enter the number other than zero");

n2=obj.nextDouble();}

ans=n1/n2;

System.out.println("Division: "+ans);

System.out.println(); break;

case 5: System.out.println("Square of a Number");

System.out.println("Enter the 1st numbet");

n1=obj.nextDouble();

ans=(n1\*n1);System.out.println("Square of a number is: "+ans);

System.out.println(); break;

case 6:

System.out.println("Cube of a Number");

System.out.println("Enter the 1st numbet");

n1=obj.nextDouble();

ans=(n1\*n1\*n1);System.out.println("Cube of a number is: "+ans);

System.out.println(); break;

default:

if(choice >7){

System.out.println("Wrong number selected");

}

else{System.out.println("You left the menu card");}}

}

}

}